

Automated Topology Detection in a Data Processing System

ABSTRACT

5 A data processing system suitable for use in a scalable system, including a first set of
processors, a first system memory, and scalability logic to connect the data processing system to
a second data processing system to form a scaled system. A set of scalability ports are connected
to the scalability logic to receive scalability cables connecting the first system to the second
system or to another processor board within the same chassis. The system includes system
10 management to cause each of the system's scalability ports to issue an identifiable signal.
System management also detects the reception of an identifiable signal, sent by another system,
received by any of the scalability ports and reports the reception of the signal to a system
management of the second system to determine which ports of the two systems are connected by
the cable.

15